

### Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

### Listing of Claims:

1. (Original) A method of promoting wound healing in an animal, wherein said wound is susceptible to healing upon administration of autologous fibroblasts, which method comprises:
  - (a) obtaining autologous fibroblasts
  - (b) culturing the fibroblasts in a culture medium such that the cultured fibroblasts are non-immunogenic when administered, and
  - (c) administering the autologous fibroblasts in the form of an injection to a wound in said animal, wherein said fibroblasts promote healing of the wound.
2. (Original) The method of claim 1, wherein said animal is a human.
3. (Original) The method of claim 2, wherein said autologous fibroblasts are derived from a tissue which is the same type of tissue as a tissue of which the wound is comprised.
4. (Original) The method of claim 2, wherein said fibroblasts are cultured in the animal's own serum.
5. (Original) The method of claim 2, wherein said fibroblasts are passaged in culture less than about ten times.

6. (Original) The method of claim 5, wherein said fibroblasts are passaged in culture from about four to about six times.

7. (Original) The method of claim 2, wherein about 20 million fibroblasts are administered per administration.

8. (Original) The method of claim 2, wherein said wound is a chronic non-healing wound.

9. (Original) The method of claim 2, wherein said wound is an epithelial wound.

10. (Original) The method of claim 9, wherein said wound is due to venous stasis.

11. (Original) The method of claim 2, wherein said wound is a mucosal wound.

12. (Original) The method of claim 11, wherein said wound is due to a gastric ulcer.

13. (Original) The method of claim 12, wherein said autologous fibroblasts are administered by endoscopic injection.

14. (Original) The method of claim 11, wherein said wound is due to a duodenal ulcer.

15. (Original) The method of claim 11, wherein said wound is an anal fissure.

16. - 37. (Cancelled)